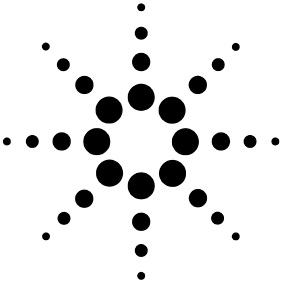

Agilent FlipTop Inlet Sealing System

Installation Guide

Agilent Technologies

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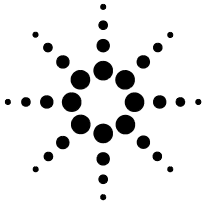


Installation Guide

The FlipTop Inlet Sealing System allows quick and easy access to the inlet liner for more efficient liner removal and replacement.

To install the FlipTop Inlet Sealing System:

1. Prepare the inlet for a normal liner change. Remove the auto-sampler (if installed).
2. Turn off the inlet temperature and gas flow and set the oven to ambient temperature. Allow the inlet and oven sufficient time to cool.
3. Plug the column to prevent contamination.

4 Unscrew the inlet nut as shown in Figure 1. Removing the inlet cover allows for easier access.

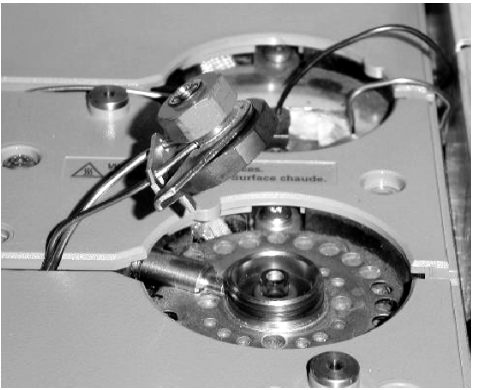


Figure 1 Preparing the inlet

5 Remove the snap ring holding the inlet nut assembly in place with the supplied snap ring pliers (see Figure 2). The nut and spacing ring should drop off from below the gas lines after the snap ring is removed (see Figure 3).

Figure 2 Removing the snap ring

Figure 3 Nut, spacing ring, and snap ring after removal

6 Replace the currently installed liner O-ring with the O-ring supplied with your FlipTop. This new O-ring ensures the correct sealing of the inlet.

NOTE

For replacement O-rings, order part number 5188-2741 for a pack of 10.

7 Place the FlipTop's lever arm assembly onto the inlet gas weldment as shown in Figure 4. Make sure the spacer ring is pointing downwards.

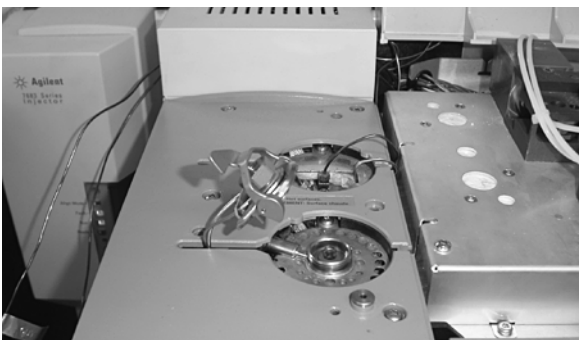


Figure 4 Positioning the lever arm assembly

8 Fasten the FlipTop's lever arm assembly in place with the new snap ring as shown in Figure 5. Keep the old snap ring as a spare.

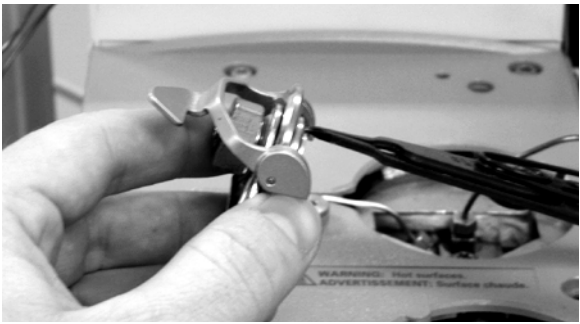


Figure 5 Replacing the snap ring

9 Screw the adapter ring onto the top of the inlet body until it stops. Wind back one turn until the locking arm locates two pins 180 degrees apart when placed on top of the liner and O-ring in the inlet (see Figure 6).

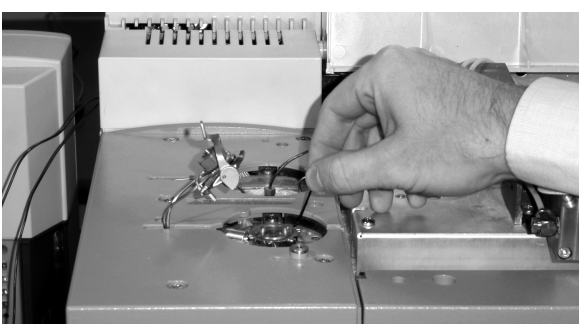


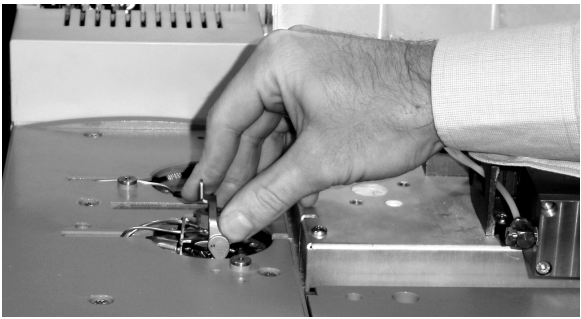
Figure 6 Positioning the adapter ring

10 Check the ability of the FlipTop lever arm to close over the arms on the adapter ring.

- If operation is smooth and effortless, carefully tighten the Allen head set screws, using the supplied Allen wrench, to maintain the position of the adapter ring as shown in Figure 6. Be careful not to strip the set screw.
- If too much force is required to lock the arm, loosen the adapter ring by turning it counter clockwise until the next pair of pins are in the correct orientation.
- If the lever is too loose, turn the adapter ring clockwise until the next pair of pins are in the correct orientation.

Repeat this procedure until the correct tightness is achieved.

11 Position the FlipTop over the inlet and close the lever arm as shown in Figure 7.



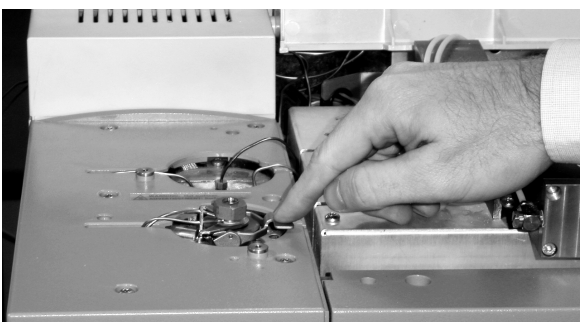


Figure 7 Positioning the FlipTop and closing the lever

12 Turn on the inlet flow and then the inlet temperature. Check for leaks.

13 If used, reinstall the auto-sampler.

The instrument is now ready for use.

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